

FRASER'S CATALOGUE AGAIN.—Dr. Shinnery's recent further comments about the names in Fraser's Catalogue (*Rhodora* 58: 281–289. 1956) prompt me to make a brief reply. The opposing positions as to the authorship of the names in the catalogue and the validity of the catalogue as a medium of publication have now been sufficiently expounded; other botanists will of course decide for themselves what conclusion is required by the evidence. Only some of the specific consequences of accepting Fraser's Catalogue as a valid medium of publication remain to be re-examined.

Dr. Shinnery states that if the catalogue is accepted, the name *Oenothera caespitosa* Sims must be replaced by *Oe. caespitosa* Nutt., *Oe. missouriensis* Sims must be replaced by *Oe. macrocarpa* Nutt., *Gaillardia aristata* Pursh must be replaced by a new combination based on *Virgilia grandiflora* of Fraser's Catalogue, and *Grindelia squarrosa* (Pursh) Dunal must be replaced by a new combination based on *Thuraria herbacea* of Fraser's Catalogue. The list becomes less formidable when the items are considered individually. The change from *Oe. caespitosa* Sims to *Oe. caespitosa* Nutt. should not cause great inconvenience. The name *Oe. macrocarpa* Nutt. must indeed replace *Oe. missouriensis* Sims; I see no escape from this. There is already a *Gaillardia grandiflora* Hort. ex Lemaire, Ill. Hort. 4: pl. 139. 1857, fully described and illustrated; *Virgilia grandiflora* Nutt. may therefore properly fall into the synonymy of *Gaillardia aristata* Pursh. The name *Thuraria herbacea* may in my opinion be treated as a nomen dubium, insufficiently described to make its application unmistakably clear. Thus only one significant nomenclatural change is entailed by accepting Fraser's Catalogue as a valid medium of publication.

Botanists who have to deal with these names will doubtless wish to consult the original descriptions and draw their own conclusions. The catalogue in its entirety was reprinted by E. L. Greene in *Pittonia* 2: 114–119. 1890.—ARTHUR CRONQUIST, THE NEW YORK BOTANICAL GARDEN.

*Volume 59, no. 699, including pages 45–72, was issued 25 March, 1957.*